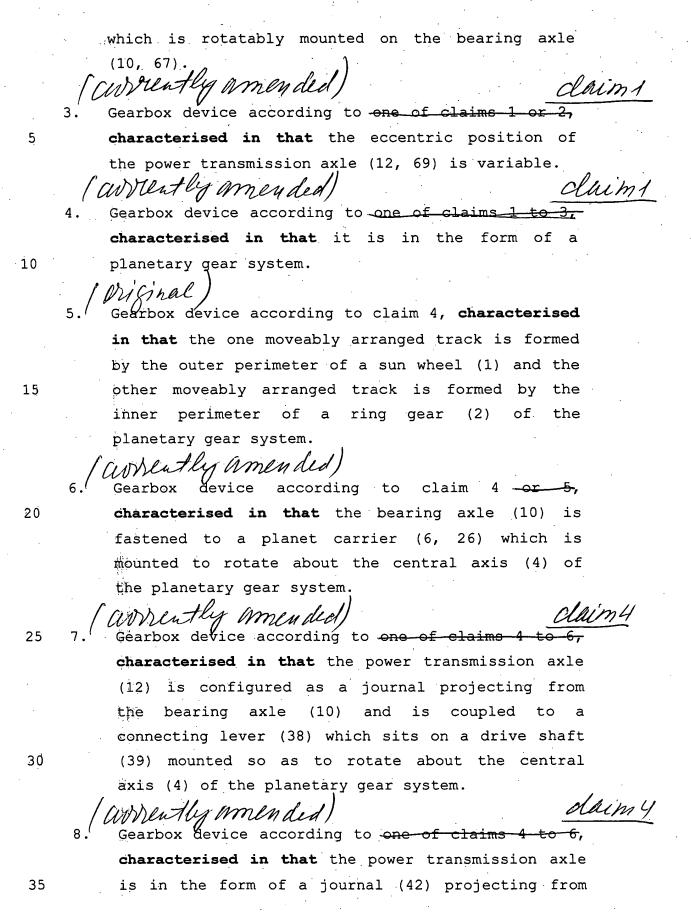
Patent claims

Gearbox device, comprising: two parallel tracks (30, 31; 61, 62), which are both arranged to be moveable; at least one planet wheel (9, 63), 5 arranged between the two tracks (30, 31; 61, 62) and operatively connected at its perimeter with the two tracks (30, 31; 61, 62); a bearing axle (10, 67) moveable parallel to the two tracks and about which the planet wheel (63) is rotatably 10 mounted; and a power transmission axle (12, 69), the arrangement being such that, as a result of the planet wheel (9, 63) rolling along the two tracks (30, 31; 61, 62), both movements of the transmission axle (12,69) can be 15 power least one of the moveably transmitted to at arranged tracks (30, 31; 61, 62) and conversely least one of the moveably movements from at 31; 61, 62) arranged tracks (30,can be transmitted to the power transmission axle (12, 20 the other moveably 69) and/or respectively arranged track (30, 31; 61, 62), characterised in that the power transmission axle (12, 69) is arranged eccentrically at the bearing axle (10, 67) or a carrier element (6) for the planet wheel 25 (9, 63) and is moveably guided on a track (30a, 70a) which extends parallel to and at a prescribed spacing from the two moveable tracks (30, 31; 61, 62).

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Gearbox device according to claim 1, characterised in that the bearing axle (10, 67) has a diameter which is from 0.5 - 1 times the value of the diameter of the planet wheel (9, 63), and in that the planet wheel (9, 63) is designed as a ring



the bearing axle (10) and is coupled to a connecting rod (43) of a crank mechanism.

(corrently amended)

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Gearbox device according to one of claims 4 to 8, characterised in that the ring gear (2) on the outer perimeter is in the form of a driving or

driven member.

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10. Gearbox device according to one of claims 4 to 9, characterised in that it contains two planetary gear systems which are coupled to one another, one of these systems being set up to drive one of the

two tracks of the other planetary gear system.

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15 11. Gearbox device according to claim 10, characterised in that the sun wheels (1, 21) of the two planetary gear systems are securely interconnected, the sun wheel (21) of a first planetary gear system being driven via the ring gear (22) of the first planetary gear system, which ring gear is driven by the second planetary gear system, and thus driving the sun wheel (1) of the second planetary gear system.

25 12. Gearbox device according to claim 10 or 11, characterised in that the eccentric power axles (12, 24) of the two gear systems are arranged with their planet wheels (9, 23) lying offset by 180° behind one another or opposite one another.

13. Gearbox device according to one of claims 10 to

12. Characterised in that the point of the action of force (radius on the gear system) at the power axle (12) with lever arm and journal (28, 29) at the planet wheel (9) of the first gear system is

identical to the two operative connections

planet wheel (9, 23) and ring gear (2, 22) (broken line 30).

14. Gearbox device according to one of claims 10 to 13; Characterised in that the central axis of the power axle (25) of the second gear system and its radius are identical to the operative connection of the planet wheel (9) and the sun wheel (1) of the first gear system (broken line 31, 34).

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15. Gearbox device according to one of the preceding claims, characterised in that the power axle (12) in a crank mechanism is arranged offset by 180° on the carrier element (6).

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16. Gearbox device according to one of the preceding claims, characterised in that the power axle (42) at the bearing axle (10) in a crank mechanism is arranged on the opposite side of the operative connection sun wheel/planet wheel and the main drive (high speed, low power) then takes place at the sun wheel (1).

17. Gearbox device according to one of claims 10 to

16, characterised in that the bearing axle (25) of
the planet wheel (23) of the first gear system is
arranged to be optionally fixed or rotatable, or
is held fixed in place.

30 18. Gearbox according to one of claims 1 to 3,

characterised in that the two tracks (61, 62) are
designed linear or arcuate.

19. Gearbox device according to claim 18,

35 characterised in that it contains a rod-shaped guiding element (70), mounted so as to be

displaceable parallel to tracks (61, 62) and coupled to the bearing axle (67) in the region of the power transmission axle (69).

5 20. Gearbox device according to claim 18 or 19, characterised in that, in order to avoid undesired lever actions between the guiding element (70) and the power transmission axle (69), said guiding element is mounted in bearings (71), the effective lines (70a) of which lie substantially in the same plane as the power transmission axle (69).

21. Gearbox device according to one of claims 18 to 20, characterised in that it contains at least one driving or driven gear (72, 86) which is in operative connection with a side of one of the moveable tracks (62), this side being remote from the planet wheel (63).

20 22. Gearbox device according to one of claims 18 to claims 12t, characterised in that the tracks (61, 62) are configured as racks, chains, cables or roller surfaces.

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25 23. Gearbox device according to one of claims 18 to clum 18 -22, characterised in that one of the tracks (62) drives a lift or at least a driven gear (72).

24. Gearbox device according to one of claims 1 to 23, characterised in that the carrier element (6) comprises a ring, an arm or a disc.

25. Gearbox device according to one of claims 10 to 14, characterised in that the power transmission axle (25) of the second gear system is connected

via a U-shaped arm (32) to a shaft (B1) which is coaxial with the gearbox axis (4).

26. Gearbox device according to one of claims 10 to 14 and 24, 25, characterised in that the power transmission axle (25) is arranged to be rotatable or fixed, or is held fixed in place.

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